SAF-RC-001 Industrial Hygiene Sampling FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG <u>05-A-6823</u> SAF-RC-001

Rad only X Chem only Rad & Chem

X Complete

Partial

100N Area 183N Bldg





SUBMITTED TO:

Denise Pitts Washington Closure Hanford 3070 George Washington Way, MSIN L1-07 Richland, WA 99354



REFERENCE DATA:

Client Sample Nos.:

J10T39 through J10RY8

P.O. Number:

Not Available

Sample Location:

100N / 183N

Sample Type:

MCE Air Filters

Method Reference:

Airborne Fibers by Phase Contrast Microscopy (PCM)

NIOSH Method 7400, Fourth Edition, (dated 8/15/94)

Date Received:

12/15/2005

DCL Sample Set ID No.:

05-A-6823

DCL Sample Nos.:

05-43223 through 05-43228

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8-µm pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Angela Sohn Analyst Anna Marie Ristich

Reviewer

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CINCINNATI OFFICE 4388 GLENDALE-MILFORD ROAD CINCINNATI, OHIO 45242-3708 513 733-5336, FAX 513 733-5347 WEST COAST OFFICE 11 SANTA YORMA COURT NOVATO, CALIFORNIA 94945 800 280-8071, FAX 415 893-9469

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

Sample Location: 100N / 183N P.O. No.: Not Available

Graticule Area (mm²):	0.00817						,	
SAMPLE INF	ORMATION	1		SAMPLE	RESULTS		LO	Ď
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL,
J10T39	05-43223	77.00	0.000	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>0.035</td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>0.035</td></lod<></td></lod<>	<lod< td=""><td>7</td><td>0.035</td></lod<>	7	0.035
J10CP8	05-43224	233.00	0.230	28	10,838	0.047	7	0.012
J10T03	05-43225	76.00	0.095	12	4,477	0.059	7	0.035
J10T04	05-43226	227.00	0.220	27	10,367	0.046	7	0.012
JIORY7	05-43227	NA	0.000	<lod< td=""><td><ra> <iod <="" r=""></iod></ra></td><td>NA</td><td>7</td><td>NA</td></lod<>	<ra> <iod <="" r=""></iod></ra>	NA	7	NA
J10RY8	05-43228	NA	0.000	<lod< td=""><td><lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<></td></lod<>	<lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<>	NA	7	NA

^{**}Comments: none.

*NOTES: "NA" indicates no volume was given or the sample is a blank. All samples counted using the "A" rules.

Anna Marie Ristich Analyst Reviewer

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OS-A-6823

			CHAIN O	F CUSTODY/SA	MPLE.	ANALY	SIS RE	QUEST						
Collector: Patrick Vic	 chit	Company C Denise A. F	ontact tits and Henry W. Ru	iby	Telephone 1 531-122			Project Coordina Joan H. Kessner			Data Turna			
Payroll #: 73219		Sampling L		All relevant CO	SPECIAL INSTRUCTIONS All relevant COAs must be provided:				SAF No. RC-001			Standard		
Type of Sample: Ashes to S				, ,	R183 NO TYS (ANALYSIS METHOD (SPECIFIC):				Method of Shipment Federal Express Bill of Lading/Air Bill No.					
Shipped To: Deta_Chan_ Wipe Sample Media: Ghost Yes No				NI65H7400				8534 1811 7441						
POSSIBLE SAMPLE HAZARD/REMARKS AS bests Special Handling and/or Storage Na.			TRIX R Pres IPE THER	pervation (i.e., cooling required, etc.)	No	200	No No	No	No					
7.0		SAMPLE ANAL			Asbestos	Airborne	Beryllium		Mold			-		
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (D) or	Comments	Airborne		Airborn							
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JIOCP8	A		233	Personal	*	43	794							
J10T.3	Α		76	Excurs in	X	43	225							
JIOTO4	Α		227	Personal	×	4	326)		a				
JIORY7	A		N	Blank	×	43	227		12-8-0	5				
JIORYY	A	12-8-05	Na	Blank	*	4	3028	5						
		12-8-03												

J10T39	•
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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST										
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(op Nowa)	Donal Last 12/13/00	1630	3746 Alds, R. 16, Liled Colonel	12/13/05 1620						
ROOM ILE	3746 Bldg.	DATE / TIME	Received By/Sound.	DATE/TIME						
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REVIEWED BY:		PRINT/SIGN NAME	DATE:							
		FRUN 1/3/UN MAME								

Page Z of Z



				CHAI	OF C	USTODY/SA	AMPLE	ANALY	SIS RI	EQUEST	<u></u>				
Collector: Patrick Vi	chit		mpany Co nise A. Pi	ontact itts and Henry V	. Ruby		Telephone 531-12			Project Coording Joan H. Kessner		 	Data Turna		
Payroll #: 732\9		I .	npling Lo			1	PECIAL INSTRUCTIONS Ill relevant COAs must be provided:			SAF No. RC-001			Standard		
Ashestos			1 .	R183 NO JUS (ANALYSIS METHOD (SPECIFIC):				Method of Shipment							
Shipped To: Wipe Sample Media: Duta Cham Ghost Yes No			NI65H7400				Federal Express Bill of Lading/Air Bill No. 853418117441								
Cincinnati, DH POSSIBLE SAMPLE HAZARD/REMARKS AS best's Special Handling and/or Storage Va		Awi			n (i.e., cooling red, etc.)	No	No	No	No	No		,,			
		SAMPLE	ANALY	SIS		<u> </u>		Lead Airborne	Berylliur Airborne	ım Beryllium ne Wipe					
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			V							F11	ELD S	AMPL	E CU	8	
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J10T39

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op Now	Danul Laff 12/1	3/us 1630	3746 Mds, K-16, Liled Celsund	12/13/05 1680						
Retinguished By/Stored.	3746 Bldg.	DATE / TIME	Received By/Stored:	DATE/TIME						
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LABORATORY SECTION	Received By	Title		DATE / TIME						
REVIEWED BY:			DATE:							
	PRINT/SIGN NAME									